

Name \_\_\_\_\_

**Read the problem below. Then answer the questions to understand the problem.**

A small heater is in the shape of a square pyramid. Each side of the pyramid's base measures 30.5 centimeters. The slant height of the pyramid is 164.8 centimeters. What is the height of the pyramid?

1. Draw and label a diagram of the given information.
2. In the problem, underline the quantity that you are asked to find. Choose a variable to represent this quantity and add this information to your diagram in Exercise 1.
3. How is the slant height of a pyramid different from its height?
4. How does drawing and labeling a diagram help you solve the problem?
5. How can you find the height of the pyramid?